EVS UTM Cleaning and High-Level Disinfection
QUICK REFERENCE GUIDE

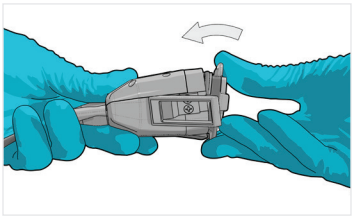
A | POINT OF USE CLEANING

1 Prepare 400-450 mL (13.5–15.2 oz) of detergent solution

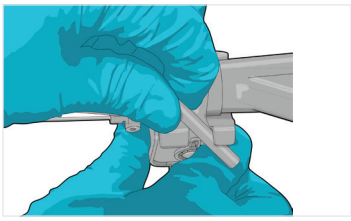
Soak 3 lint-free gauze pads in the detergent solution

2 Detach the transducer extension cable (TEC) and the reusable ultrasound tranducer module (UTM)

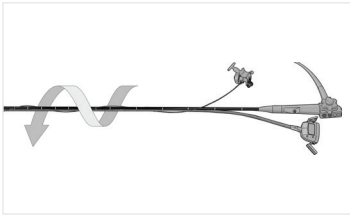
3 Attach the UTM Soaking Cap to the UTM Connector



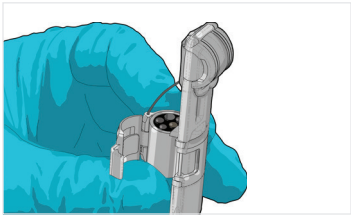
4 Detach the UDK-T Rod Band from the endoscope control body



5 Unwrap the UDK-T Sheath from around the UTM and endoscope

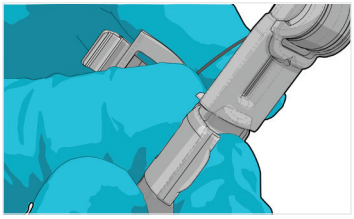


6 Undo the Endoscope Latch and remove the endoscope from the UTM and the ultrasound disposable kit (UDK-T)

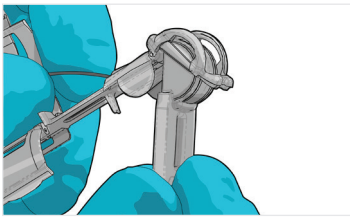


7 Remove the Endoscope Sleeve from the endoscope distal tip

8 Unsnap the UTM Latch



9 Open the UDK-T Transducer Cage and remove the UTM transducer

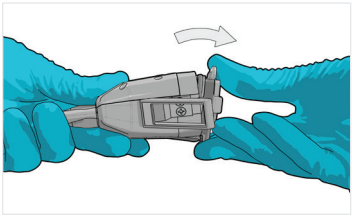


10 Wipe the entire length of the UTM with a detergent soaked gauze pad 3 times (use a fresh gauze each time)

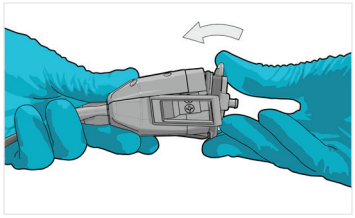
11 Transport the UTM to the reprocessing area

B | AIR LEAK TESTING

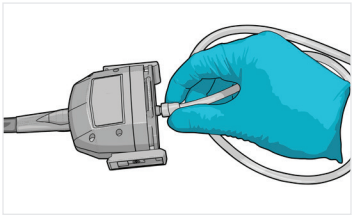
1 Detach the UTM Soaking Cap from the UTM Connector



2 Attach the UTM Air Leak Test Cap to the UTM Connector



3 Connect the Air Leak Tester to the UTM Air Leak Test Cap



4 Fill a basin with water to cover the UTM

Pump air into the UTM to a pressure of 120-150 mmHg (2.3-2.9 psi)

Let the gauge needle stabilize for 10 seconds

For this initial pressure measurement, make sure the UTM is straight either horizontal or vertical

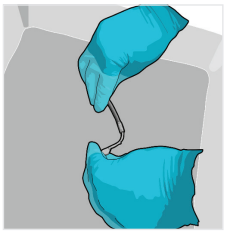
5 Record the initial pressure reading

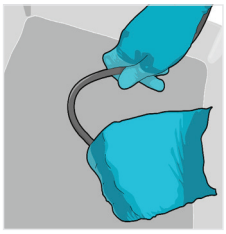
Place the UTM into the basin

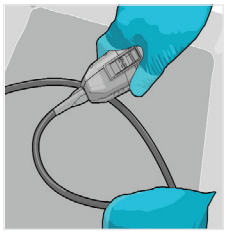
Remove surface air bubbles from the UTM with a lint-free gauze

6 Set a timer for 2 minutes

During the two-minute test period, and with the UTM underwater, flex the UTM up and down along its length between the distal end and the strain relief







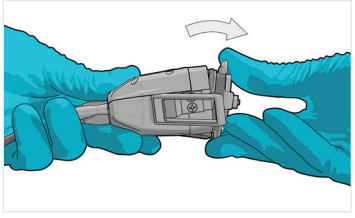
7 Record the internal pressure after 2 minutes

Remove the UTM from the basin

Release the air from the UTM cable

Release the air pressure in the UTM

8 Remove the Air Leak Test Cap from the UTM connector



9 Leak test **PASS**=No escaping air bubbles and maximum decrease in pressure of 2 mmHg (psi)

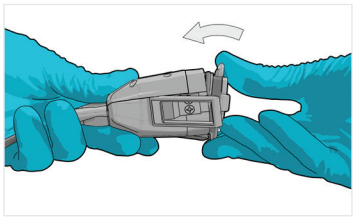
FAIL=Air bubbles observed escaping and/ or maximum decrease in pressure from the initial reading of greater than 2 mmHg.

C | MANUAL CLEANING

1 Fill a basin with detergent solution to cover the UTM

Fill a second basin with water to cover the UTM

2 Attach the UTM Soaking Cap to the UTM Connector



3 Place the UTM and Air Leak Test Cap into the basin with detergent solution

4 Wash the UTM and Air Leak Test Cap three times, using a fresh gauze pad each time

5 Transfer the UTM and Air Leak Test Cap to the basin of rinse water

6 **First Rinse:** Move the UTM and Air Leak Test Cap side to side under the rinse water for 30 seconds

Discard rinse water

7 **Second Rinse:** Transfer the UTM and Air Leak Test Cap to a basin of fresh rinse water and repeat rinse procedure

Discard rinse water

8 **Third Rinse:** Transfer the UTM and Air Leak Test Cap to a basin of fresh rinse water and repeat rinse procedure

Discard rinse water

9 Inspect UTM and Air Leak Test Cap for debris under 7X–10X magnification

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D | HIGH-LEVEL DISINFECTION

1 Fill a basin with high-level disinfectant solution to cover the UTM and Air Leak Test Cap

2 Fill a second basin with rinse sterile or clean potable water to cover the UTM and Air Leak Test Cap

3 Place the UTM and Air Leak Test Cap into the basin with disinfectant

Remove surface air bubbles with a sterile lint-free cloth or gauze

Discard the gauze

4 Soak the UTM and Air Leak Test Cap in disinfectant for the time and at the temperature recommended by the disinfectant manufacturer

5 First Rinse:

Transfer the UTM and Air Leak Test Cap to the basin of rinse water

Wipe the UTM and Air Leak Test Cap down with a gauze and then move them side to side under the water for 30 seconds

Discard the gauze

6 Second Rinse:

Transfer the UTM and Air Leak Test Cap to a basin of fresh rinse water

Wipe the UTM and Air Leak Test Cap down with a gauze and then move them side to side under the water for 30 seconds

Discard the gauze

7 Third Rinse:

Transfer the UTM and Air Leak Test Cap to a basin of fresh rinse water

Wipe the UTM and Air Leak Test Cap down with a gauze and then move them side to side under the water for 30 seconds

Discard the gauze

8 Transfer the UTM and Air Leak Test Cap to a dry sterile pad

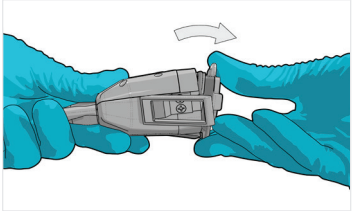
Dry the devices with a sterile cloth

Transfer the devices to a new dry sterile cloth

Inspect the devices for residual debris under 7x-10X magnification

E | STORAGE AFTER HIGH-LEVEL DISINFECTION

1 Detach the UTM Soaking Cap from the UTM Connector



2 Place the UTM, UTM Soaking Cap, and UTM Air Leak Test Cap into a ventilated storage cabinet

3 UTM Storage:

Hang vertically by the UTM Connector

Store horizontally looped into a circle 12 inches or greater in diameter

4 Cap Storage:

Don't allow the caps to touch each other or the UTM during storage